

## INTERNATIONAL SEARCH REPORT

PCT/IB 03/05390

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L12/403 B60R16/02 H04L29/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L B60R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 893 767 A (MICROCHIP TECH INC) 27 January 1999 (1999-01-27)	1
Y	the whole document	2-9
Y	WO 02/37923 A (BAYERISCHE MOTOREN WERKE AG ; KRAMMER JOSEF (DE); KAINDL MICHAEL (DE);) 16 May 2002 (2002-05-16) the whole document	2,6
Y	GB 2 353 448 A (DOWNIE NEIL ALEXANDER ; SAWYERS CRAIG GEORGE (GB)) 21 February 2001 (2001-02-21) page 1 - page 6	3-5,7,8
Y	US 4 847 834 A (BRYANT STEWART F) 11 July 1989 (1989-07-11) abstract	9
	----- -/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the International search

28 April 2004

Date of mailing of the International search report

07/05/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Schneider, G

# INTERNATIONAL SEARCH REPORT

PCT/IB 03/05390

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 6 397 280 B1 (BAUER JOACHIM ET AL)  28 May 2002 (2002-05-28)  the whole document</p> <p>-----</p>	1-24

# INTERNATIONAL SEARCH REPORT

PCT/IB 03/05390

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0893767	A	27-01-1999	US 5974475 A EP 0893767 A2 JP 11120118 A TW 451135 B	26-10-1999 27-01-1999 30-04-1999 21-08-2001
WO 0237923	A	16-05-2002	DE 10055163 A1 WO 0237923 A2 EP 1332588 A2 US 2004003153 A1	04-07-2002 16-05-2002 06-08-2003 01-01-2004
GB 2353448	A	21-02-2001	NONE	
US 4847834	A	11-07-1989	GB 2167274 A CA 1242503 A1 EP 0182417 A2 JP 61126843 A	21-05-1986 27-09-1988 28-05-1986 14-06-1986
US 6397280	B1	28-05-2002	DE 19647668 A1 WO 9823124 A1 EP 0940058 A1 JP 2001503950 T KR 2000053298 A	28-05-1998 28-05-1998 08-09-1999 21-03-2001 25-08-2000